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(54) Title: **SELECTED RNA MOTIFS TO INCLUDE CELL DEATH AND/OR APOPTOSIS**

Differential effects of fractionated synthetic RNAs (summary)

	whole pApU	<10kDpApU	>50kDpApU	whole pA	<10kDpA	>50kDpA
Apoptosis	moderate	NA	moderate	Low	NA	Low
Cell Death	Low	High	Low	Low	High	Low
TNF- α	moderate	High	moderate	moderate	High	moderate
IL-12	High	Low	High	Low	Low	Low
IL-10	Low	Low	Low	Low	Low	Low
IFN-b	Low	Low	Low	Low	Low	Low
IL-6	Low	Moderate	Low	Low	Low	Low

(57) Abstract: The present application is directed to the use of dsRNA and/or ssRNA for the purpose of inducing apoptosis or cell death in proliferating cells. Specifically, low molecular weight and high molecular weight dsRNA and ssRNA are shown to induce apoptosis and/or cell death in proliferating cells, to arrest proliferation of transformed cells or tumor cells and to cause rapid induction of the cytokine TNF- α and/or also induce production of IL-12 which directs a Th-1 response.